

FIG. 1

PERSON WHO LOST PORTABLE TELEPHONE SET	MAINTENANCE SERVICE CENTER	PORTABLE TELEPHONE SET
LOSS OF PORTABLE TELEPHONE SET (A)	CALL TO MAINTENANCE SERVICE CENTER IN MIDST OF CONVERSATION	
(B) INPUT OF PORTABLE TELEPHONE NUMBER INPUT OF CODE NUMBER	AUDIO GUIDANCE PORTABLE TELEPHONE NUMBER, CODE NUMBER CIRCUIT CUTOFF	CALL CONTROLLER START (HOST PROCESSOR) CHECK OF PORTABLE TELEPHONE NUMBER, CODE NUMBER NG
CONFIRMATION OF INPUT ITEMS	CONFIRMATION REQUEST AND CONTACT DESTINATION REQUEST	OK
INPUT OF CONTACT DESTINATION, TELEPHONE NUMBER	CONTACT TELEPHONE NUMBER ACCEPTANCE REGISTRATION COMPLETION NOTIFICATION	STORAGE OF CONTACT TELEPHONE NUMBER, PORTABLE TELEPHONE NUMBER, CODE NUMBER

FIG. 2

PERSON WHO LOST
PORTABLE TELEPHONE SET

MAINTENANCE
SERVICE CENTER

PORTABLE TELEPHONE SET

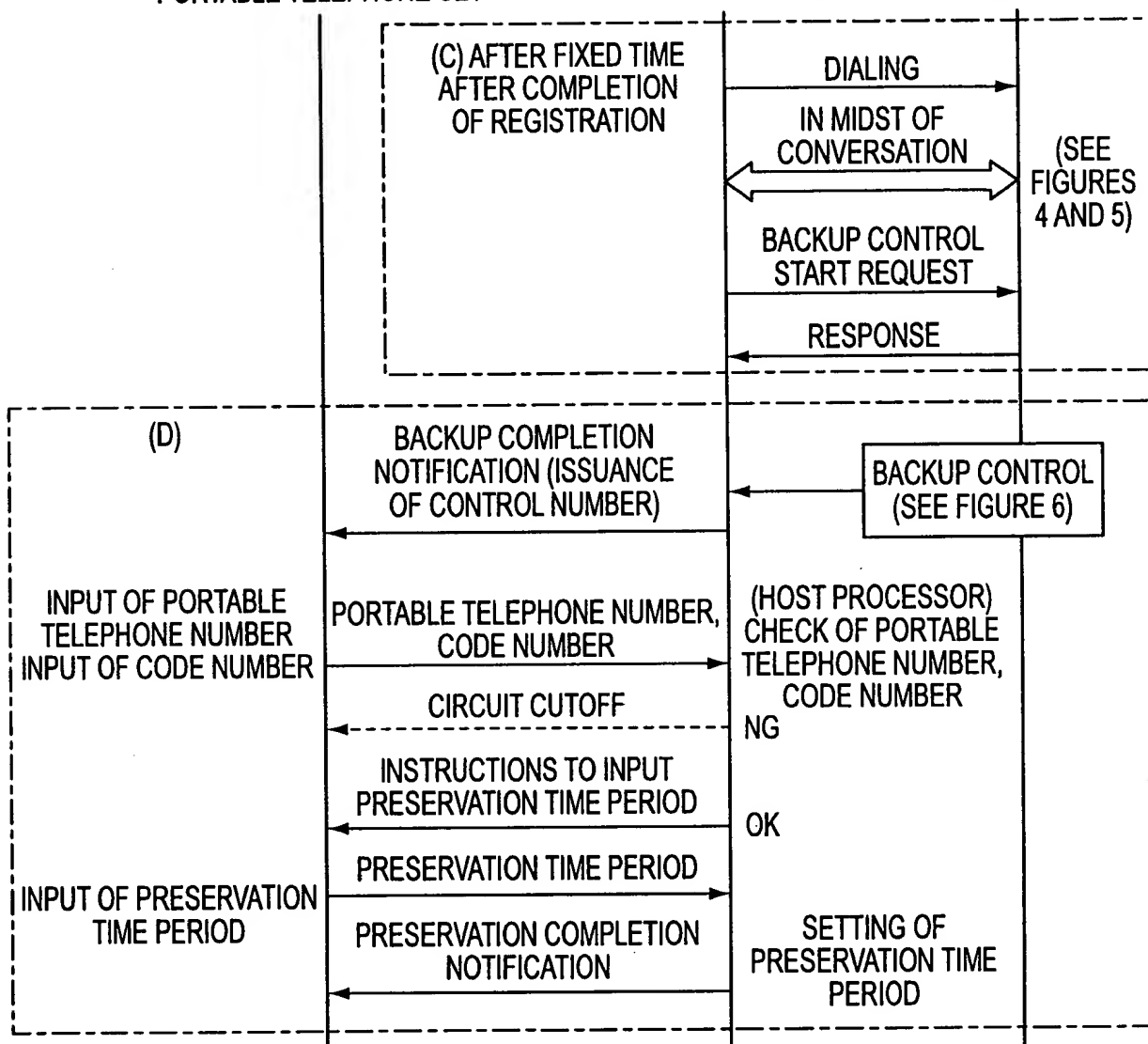


FIG. 3

00910-100000

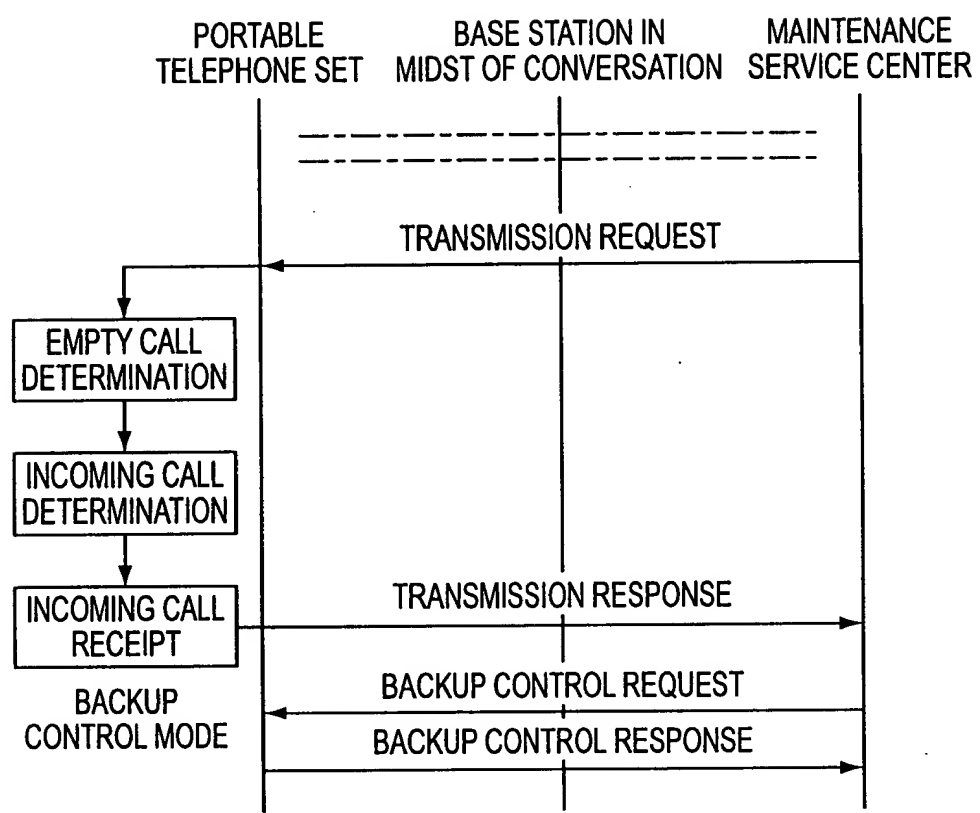


FIG. 4

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sequenceDiagram
    participant P as PORTABLE TELEPHONE SET
    participant B as BASE STATION
    participant M as MAINTENANCE SERVICE CENTER

    Note over P: WAITING
    P->>B: PAGING
    B->>M: TRANSMISSION REQUEST
    Note over M: ELAPSE OF FIXED TIME
    M->>B: TRANSMISSION REQUEST
    B->>P: PAGING
    P->>B: RESPONSE
    B->>M: RESPONSE
    Note over M: ELAPSE OF FIXED TIME
    M->>B: BACKUP CONTROL START REQUEST
    B->>P: BACKUP CONTROL START REQUEST
    Note over P: BACKUP CONTROL MODE
  
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The diagram illustrates the backup control process across three entities: PORTABLE TELEPHONE SET, BASE STATION, and MAINTENANCE SERVICE CENTER. The process begins with the PORTABLE TELEPHONE SET in a WAITING state. It initiates a PAGING signal to the BASE STATION. The BASE STATION then sends a TRANSMISSION REQUEST to the MAINTENANCE SERVICE CENTER. After an ELAPSE OF FIXED TIME, the MAINTENANCE SERVICE CENTER sends another TRANSMISSION REQUEST to the BASE STATION. The BASE STATION responds with a PAGING signal to the PORTABLE TELEPHONE SET. The PORTABLE TELEPHONE SET then sends a RESPONSE to the BASE STATION. The BASE STATION forwards this RESPONSE to the MAINTENANCE SERVICE CENTER. After another ELAPSE OF FIXED TIME, the MAINTENANCE SERVICE CENTER sends a BACKUP CONTROL START REQUEST to the BASE STATION. Finally, the BASE STATION sends the BACKUP CONTROL START REQUEST to the PORTABLE TELEPHONE SET, which then enters the BACKUP CONTROL MODE.

FIG. 5

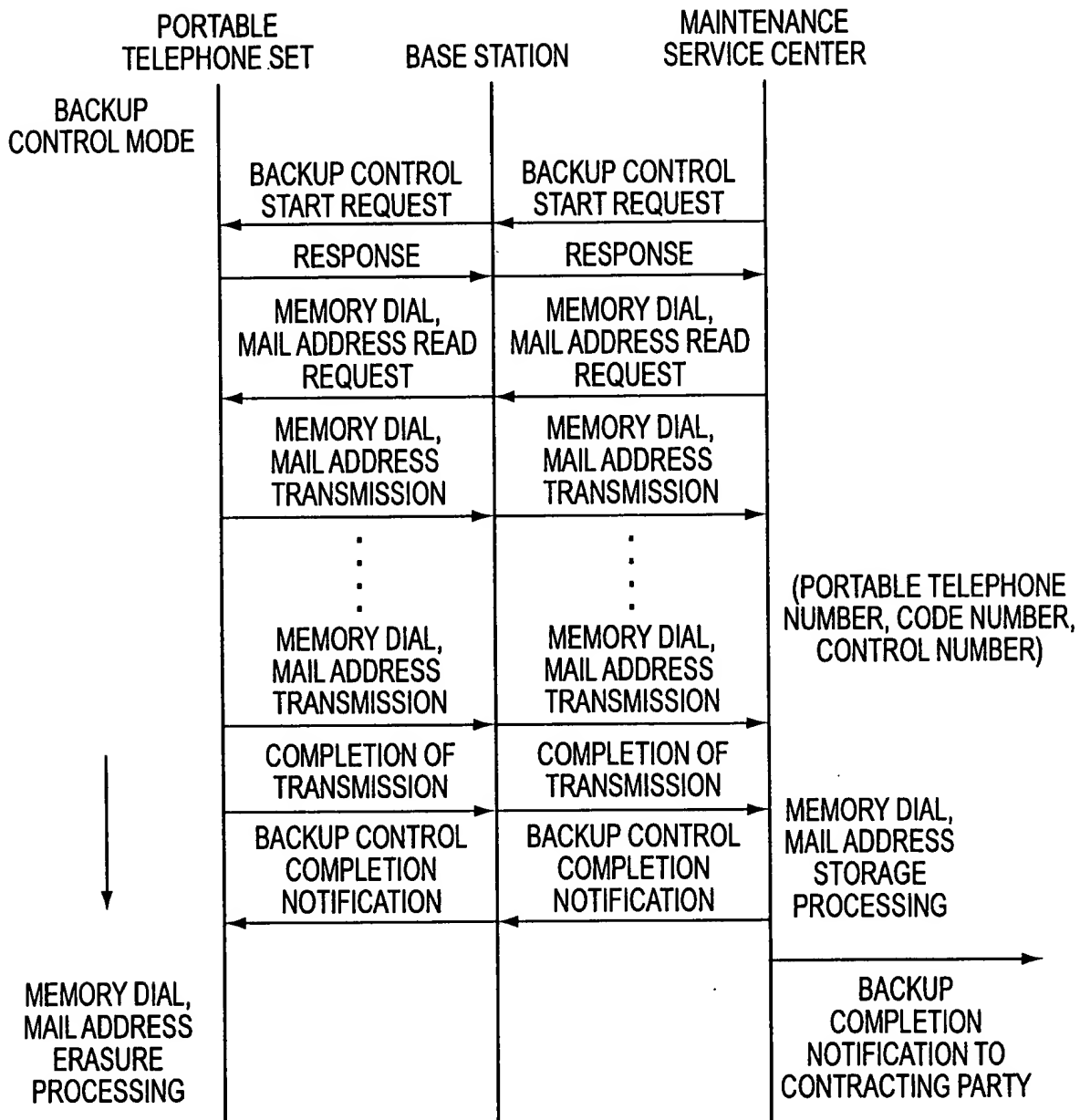


FIG. 6

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sequenceDiagram
    participant P as PERSON WHO LOST  
PORTABLE TELEPHONE SET
    participant M as MAINTENANCE  
SERVICE CENTER
    participant PT as PORTABLE  
TELEPHONE SET

    P->>M: CALL TO MAINTENANCE  
SERVICE CENTER
    Note over P,M: IN MIDST OF CONVERSATION
    M->>P: AUDIO GUIDANCE
    P->>PT: INPUT OF CONTROL  
NUMBER, PORTABLE  
TELEPHONE NUMBER,  
CODE NUMBER
    PT->>M: CHECK OF CONTROL NUMBER,  
PORTABLE TELEPHONE NUMBER,  
CODE NUMBER
    M-->>P: NG
    M-->>P: OK
    Note over PT: MEMORY DIAL DATA, MAIL ADDRESS  
DATA TRANSMISSION CONTROL  
(SEE FIGURE 8)
  
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FIG. 7

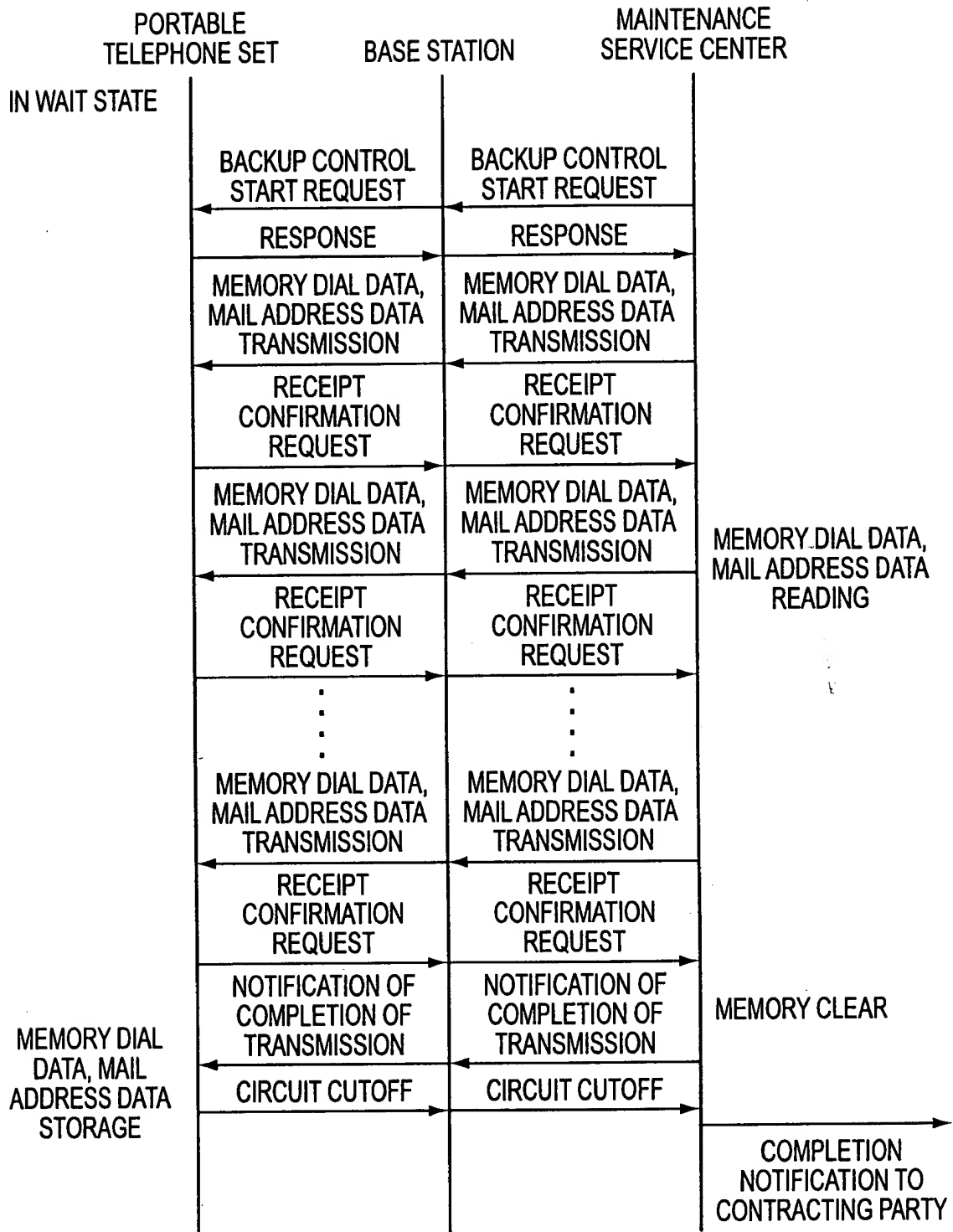


FIG. 8